

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): ~~Pollutant~~ A pollutant neutralising system,
comprising:
~~contained in gases emitted in particular by internal combustion engines including a~~
~~pyrolitic-pyrolytic~~ heat cell ~~arranged-configured~~ to retain and destroy pollutants[[,]] through
means for neutralizing by pyrolysis, said means comprising ~~presenting a very-large~~ exchange
area at ~~the-a~~ temperature of pyrolysis with the said pollutants[[;]], ~~characterised in that~~
wherein the said means of neutralising by pyrolysis presenting a very large exchange area
~~with the said pollutants,~~ comprises an assembly of spheres each containing, over its entire
surface, numerous excrescences ~~for example of diamond point or similar type~~ machined from
limestone rock.

Claim 2-3 (Canceled)

Claim 4 (Currently Amended): ~~Pollutant~~ The pollutant ~~neutralising~~ neutralizing
system in accordance with claim 1, ~~characterised in that wherein the spheres in the assembly~~
of spheres all containing, over their entire surface, numerous excrescences, for example of
~~diamond point or similar type,~~ are stamped as halves from a sheet of metal 0.4 mm thick and
then welded together.

Claim 5 (Canceled)

Claim 6 (Canceled)

Claim 7 (Currently Amended): ~~Pollutant~~ The pollutant neutralisingneutralizing system in accordance with claim 1, ~~characterised in that~~ wherein the exchange and ~~pyrolysis~~ pyrolysis surface-surfaces of the ~~pyrolitic-pyrolytic~~ heat cell comprise an assembly of hollow metal spheres ~~furnished~~ with excrescences filling ~~its~~ a chamber of the pyrolytic heat cell.

Claim 8 (Currently Amended): ~~Pollutant~~ The pollutant neutralisingneutralizing system in accordance with claim 1, ~~characterised in that~~ wherein the said means ~~presenting the exchange and pyrolysis surface of the heat cell~~ further comprise a set of mineral spheres ~~furnished~~ with excrescences, enclosed in a stainless steel net, and put into a chamber of the heat cell ~~cell's chamber after the an~~ insertion of flat rings ~~intended~~ configured to fragment by impact ~~large~~ unburnt or partially burnt particles or HC, comprising a mesh of stainless steel swarf, ~~preferably~~ arranged ahead of the ~~pyrolysis~~ pyrolysis spheres along a gas flow direction.

Claim 9-11 (Canceled)

Claim 12 (Currently Amended): The pollutant ~~Pollutant neutralising neutralizing~~ system in accordance with claim 4, ~~characterised in that~~ wherein the exchange and ~~pyrolysis~~ pyrolysis surface-surfaces of the ~~pyrolitic-pyrolytic~~ heat cell comprise an assembly of hollow metal spheres ~~furnished~~ with excrescences filling ~~its~~ a chamber of the pyrolytic heat cell.

Claim 13 (Canceled)

Claim 14 (Canceled)

Claim 15 (Currently Amended): ~~The pollutant~~ ~~Pollutant neutralising~~ neutralizing system in accordance with claim ~~3~~ 4, ~~characterised in that the~~ wherein said means ~~presenting the exchange and pyrolysis surface of the heat cell comprise~~ further comprise a set of mineral spheres furnished with excrescences, enclosed in a stainless steel net, and put into a chamber of the heat cell's chamber-cell after ~~the~~ an insertion of flat rings ~~intended~~ configured to fragment by impact ~~large~~ unburnt or partially burnt particles or HC, comprising a mesh of stainless steel swarf, ~~preferably~~ arranged ahead of the ~~pyrolysis~~ pyrolysis spheres along a gas flow direction.

Claim 16 (Canceled).